

DATA SHEET

Qt® 100

SOUND MASKING CONTROL MODULE



The Qt® 100 control module is a sound masking generator, controller and amplifier, with one auxiliary audio input to allow for distribution of audio from a paging controller or (background) music player. The Qt 100 control module is a compact one-zone controller suitable for installations of up to 12,000 square feet (1,115 m²). The masking level can be adjusted from the unit's front panel. Auxiliary audio level is set via the front panel.

FEATURES

- 1 zone, up to 120 emitters
- 1 audio input for paging or music
- Contact closure integrates with fire alarm systems
- Front panel control with LCD
- Surface mount only
- CE marked, ETL listed, and RoHS compliant
- Met Works with WELL licensing criteria for sound masking
- Covered by Biamp Systems' five-year warranty
- Manufactured in the U.S.A.
- TAA compliant
- GSA eligible

ARCHITECTS & ENGINEERS SPECIFICATION

The controller shall consist of all electronics required for operating a sound masking system from a single accessible location. Systems with distributed electronic packages above ceilings are not acceptable. The controller shall provide one zones and shall be sufficient to generate sound masking, audio control and audio power for up to 12,000 square feet (1,115 m²) of coverage. Each audio output shall provide four uncorrelated channels of masking noise to minimize phase interference and hotspots. The complete system shall consume less than 7 watts of power. The unit shall meet all requirements of Underwriters Laboratories, the US and Canadian National Electrical Codes, FCC Part 15, and all pertinent UK and EU codes. The controller shall be CE marked, ETL listed, and shall be compliant with the RoHS directive. Warranty shall be 5 years. The controller shall be Qt® 100.

Qt 100 SPECIFICATIONS

Frequency Response¹ Sound Masking: 200Hz to 6.3kHz Music/Paging: 200Hz to 10kHz SPL1 Minimum Masking SPL (@ 1m): 30dBA Maximum Masking SPL (@ 1m): 60dBA Maximum Music/Paging SPL (@ 1m): 62dBA Masking Number of Non-Correlated Masking Sources: 4 Number of Masking Zones: 1 (2 cable runs per zone) Masking Level Adjustment: 0.5dB steps Max Emitter/Device Capacity: 60 Qt Emitters or Room Controls per cable run Max Emitter Cabling Distance: 1000 feet (300m) per cable run Audio Inputs Input Connector Type: Captive Screw Terminal Number of Inputs: 1 (Stereo or Mono) Input Level: +4dBu (2VRMS max) Input Level Adjustment: 1dB steps Input Impedance: 5kΩ Remote Control Connector Type: Captive Screw Terminal Input Type: Contact Closure (Normally Open) Number of Inputs: 1 Output Type: Logic Status (5VDC) Number of Outputs: 1	Output Connections: 2 RJ-45 Minimum Output Impedance: 2Ω (per channel) Power Supply Operating Voltage: 100-240VAC 50/60Hz Current Draw: 0.6A Output: 24VDC @ 1A Max. Power Consumption (24VDC): 7W Input Connector: Captive Screw Terminal & Coax Power Plug (center pin positive) Included Accessories: ACT Hole Saw Overall Dimensions Height: 3.5 inches (89mm) Width: 7 inches (179mm) Depth: 0.875 inches (23mm) Weight: 6 oz. (170g) Environmental: Ambient Operating Temperature Range: 40 - 90° F (4 - 32° C) Humidity: 0-95% relative humidity (non-condensing) Altitude: 0-6,600 ft (0-2000m) MSL Compliance: FCC Part 15B (USA) ETL Listed (USA and Canada) CE Marked (Europe) RoHS Directive (Europe) Green Spec Listed
---	--

¹ Specifications based on use of Qt Emitter array and based on published layout practices

OPTIONAL ACCESSORIES

DESCRIPTION	SKU
Hole Saw ACT	HS-ACT
Hole Saw Drywall	HS-DW
10 ft Plenum-Rated Cable	CC-10- (B=Black / W = White)
25 ft Plenum-Rated Cable	CC-25- (B=Black / W = White)
50 ft Plenum-Rated Cable	CC-50- (B=Black / W = White)
75 ft Plenum-Rated Cable	CC-75- (B=Black / W = White)
100 ft Plenum-Rated Cable	CC-100- (B=Black / W = White)
Room Control (White)	Qt-RC3
Power Supply	PS-4
4-Pack of Qt Emitters, 16 ft cables	E-A-W-16-4 (E-A-B-16-4 for Black)
4-Pack of Qt Emitters, 30 ft cables	E-A-W-30-4 (E-A-B-30-4 for Black)

Biamp, Qt, and QtPro are either trademarks or registered trademarks of Biamp Systems, LLC in the United States and other countries. Other product names referenced may be trademarks or registered marks of their respective owners and Biamp Systems is not affiliated with or sponsored by these companies.